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Publication date: 1987-03-31
Inventor(s): HASHIMOTO SUSUMU (JP)
Applicant(s):: TOKYO SHIBAURA ELECTRIC CO (JP)
Requested Patent: ☐ JP59049682
Application Number: US19860882433 19860707
Priority Number(s): JP19820161364 19820916
IPC Classification:
EC Classification: G06F7/06, G07F7/10F4, G07D7/00S
Equivalents: ☐ DE3333365, ☐ GB2127792

Abstract

A sorting and stacking apparatus has a currency note feeding section for feeding currency notes one at a time; and a currency note inspecting section for inspecting the denomination of a currency note, a normal note, a damaged note, an obverse-presented note and a reverse-presented note. The currency notes of a predetermined denomination among the currency notes fed by the currency note feeding section are fed to a first stacking section having first and second pockets while currency notes of other denominations are fed to the second stacking section. When the first pocket of the first stacking section is filled with the currency notes, the transport path of the currency note is automatically switched toward the second pocket. Subsequent currency notes are thus stacked in the second pocket of the first stacking section.

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4/19/1 (Item 1 from file: 347)

01338082 SECTIONAL INTEGRATION APPARATUS

Pub. No.: 59-049682 A]

Published: March 22, 1984 (19840322)

Inventor: HASHIMOTO SUSUMU

Applicant: TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)

Application No.: 57-161364 [JP 82161364]

Filed: September 16, 1982 (19820916)

International Class: [3] G07D-003/00; B07C-003/02

JAPIO Class: 29.4 (PRECISION INSTRUMENTS -- Business Machines); 26.9 (TRANSPORTATION -- Other)

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4/19/2 (Item 2 from file: 345)

4577597

Basic Patent (No,Kind,Date): GB 8324825 A0 831019

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 3333365 A1 840322

SORTIER/ABLAGEVORRICHTUNG (German)

Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (JP)

Author (Inventor): HASHIMOTO SUSUMU (JP)

Priority (No,Kind,Date): JP 82161364 A 820916

Applic (No,Kind,Date): DE 3333365 A 830915

IPC: * B07C-005/34; B07C-003/06; B65G-047/42; G07D-007/00; G06M-007/06

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Language of Document: German

GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 3333365	P	820916	DE AA	PRIORITY (PATENT APPLICATION)
				(PRIORITAET (PATENTANMELDUNG))
			JP 82161364	A 820916
DE 3333365	P	830915	DE AE	DOMESTIC APPLICATION (PATENT APPLICATION) (INLANDSANMELDUNG)
				(PATENTANMELDUNG))
			DE 3333365	A 830915
DE 3333365	P	840322	DE A1	LAYING OPEN FOR PUBLIC INSPECTION (OFFENLEGUNG)

DE 3333365	P	840322	DE OP8	REQUEST FOR EXAMINATION AS TO PAR. 44 PATENT LAW (PRUEFUNGSANTRAG GEM. PAR. 44 PATG. IST GESTELLT)
DE 3333365	P	850314	DE 8128	NEW PERSON/NAME/ADDRESS OF THE AGENT (AENDERUNG IN PERSON, NAMEN ODER WOHNORT DES VERTRETERS) HENKEL, G., DR. PHIL. FEILER, L., DR. RER. NAT. HAENZEL, W., DIPL.-ING., PAT.-ANW., 8000 MUENCHEN
DE 3333365	P	870402	DE 8127	NEW PERSON/NAME/ADDRESS OF THE APPLICANT (AENDERUNG IN PERSON, NAMEN ODER WOHNORT DES ANMELDERS) KABUSHIKI KAISHA TOSHIBA, KAWASAKI, KANAGAWA, JP
DE 3333365	P	900315	DE 8131	REJECTION (ZURUECKWEISUNG)

GREAT BRITAIN (GB)

Patent (No, Kind, Date): GB 8324825 A0 831019
 SORTING AND STACKING APPARATUS (English)
 Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
 Priority (No, Kind, Date): JP 82161364 A 820916
 Applic (No, Kind, Date): GB 8324825 A 830916
 IPC: * B07C-005/34
 Language of Document: English

Patent (No, Kind, Date): GB 2127792 A1 840418
 SORTING AND STACKING APPARATUS (English)
 Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
 Author (Inventor): HASHIMOTO SUSUMU
 Priority (No, Kind, Date): JP 82161364 A 820916
 Applic (No, Kind, Date): GB 8324825 A 830916
 National Class: * B8R564; B8R583; B8R591; B8R611; B8R671; B8RTC;
 U1S2272; U1SB8R
 IPC: * B65H-043/00
 Language of Document: English

Patent (No, Kind, Date): GB 2127792 B2 861015
 SORTING AND STACKING APPARATUS (English)
 Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
 Author (Inventor): HASHIMOTO SUSUMU
 Priority (No, Kind, Date): JP 82161364 A 820916
 Applic (No, Kind, Date): GB 8324825 A 830916
 National Class: * B8R564; B8R583; B8R591; B8R611; B8R671; B8RTC;
 U1S2272; U1SB8R
 IPC: * B65H-043/00
 Language of Document: English

GREAT BRITAIN (GB)

Legal Status (No, Type, Date, Code, Text):

GB 2127792	P	820916	GB AA	PRIORITY (PATENT)
			JP 82161364	A 820916
GB 2127792	P	830916	GB AE	APPLICATION DATA (APPL. DATA)
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GB 2127792	P	861015	GB PG	PATENT GRANTED
GB 2127792	P	980506	GB PCNP	PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE 970916

JAPAN (JP)

Patent (No, Kind, Date): JP 59049682 A2 840322
 SECTIONAL INTEGRATION APPARATUS (English)
 Patent Assignee: TOKYO SHIBAURA ELECTRIC CO
 Author (Inventor): HASHIMOTO SUSUMU
 Priority (No, Kind, Date): JP 82161364 A 820916
 Applic (No, Kind, Date): JP 82161364 A 820916

IPC: * G07D-003/00; B07C-003/02
Language of Document: Japanese

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 4653647 A 870331
SORTING AND STACKING APPARATUS (English)
Patent Assignee: TOKYO SHIBAURA ELECTRIC CO (JP)
Author (Inventor): HASHIMOTO SUSUMU (JP)
Priority (No,Kind,Date): US 532516 A1 830915; JP 82161364 A
820916
Applic (No,Kind,Date): US 882433 A 860707
Addnl Info: Abandoned
National Class: * 209534000; 209551000; 271288000; 377008000
IPC: * B07C-005/342
Language of Document: English

UNITED STATES OF AMERICA (US)

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US 4653647	P	820916	US AA	PRIORITY (PATENT)
			JP 82161364 A	820916
US 4653647	P	830915	US AA	PRIORITY
			US 532516 A1	830915
US 4653647	P	860707	US AE	APPL. DATA (PATENT)
			US 882433 A	860707
US 4653647	P	870331	US A	PATENT
US 4653647	P	990608	US FP	EXPIRED DUE TO FAILURE TO PAY
			MAINTENANCE FEE	
			19990331	

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